

Ruoyu Chen

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EDUCATION

- 2023– Ph.D. Candidate in Urban Planning and Development
Committee: Marlon Boarnet (Chair), Jorge De la Roca, Geoff Boeing
University of Southern California, Sol Price School of Public Policy
- 2020–23 M.S. (*distinction*) in Geography (Urban and Regional Planning), Advisor: Jiawen Yang
Peking University, China
- 2015–20 B.E. (*distinction*) in Urban and Rural Planning and Minor in Economics
Huazhong University of Science and Technology, China
- 2022 Visiting Graduate Student, Nanyang Technological University, Singapore
- 2018 Summer School Student, Delft University of Technology, The Netherland

PUBLICATIONS

Peer-reviewed Articles

- 2025 R. Turner [et al., 21 co-authors including **R. Chen.**] “Development and validation of the Global Urban Heat Vulnerability Index (GUHVI)”. *Urban Climate*, 64, 102716.
- 2025 R. Turner [et al., 23 co-authors including **R. Chen.**] “Internationally validated open access indicators of large public urban green space for healthy and sustainable cities”. *Geographical Analysis*, 57 (4), 793–808.
- 2023 **R. Chen**, M. Zhang, and J. Zhou. “Jobs-housing relationships before and amid COVID-19: An excess-commuting approach”. *Journal of Transport Geography*, 106, 103507.
- 2023 S. Wang, L. Zhao, M. Zhang, **R. Chen**, and S. Liang “Effects of built environment on bus trip rates under rail transit competition”. *Journal of Urban Planning and Development*, 149 (1), 04022059.
- 2022 **R. Chen** and J. Zhou “Fare Adjustment’s Impacts on Travel Patterns and Farebox Revenue: An Empirical Study Based on Longitudinal Smartcard Data”. *Transportation Research Part A: Policy and Practice*, 164, 111–133.
- 2022 L. Zhao, S. Wang, J. Wei, and **R. Chen** “Impacts of land use on urban road network vulnerability—A case study in Wuhan”. *Journal of Urban Planning and Development*, 148 (3), 04022032.

Under Review

- 2025 G. Boeing, J. Kim, D. Simon-Thompson, J. Ha, **R. Chen.** “Choose Your Own Adventure: How Data Source Selection Shapes Urban Accessibility Analyses”.
- 2025 M. Zhang, A. Leung, L. Cheah, **R. Chen**, M. Burke. “Funding on the Line? Understanding community preferences for value capture – the case of Melbourne’s Suburban Rail Loop”.

Other Publications

- 2024 M. G. Boarnet, G. Giuliano, C. Pilgram, **R. Chen**, and Q. Shao. “Navigating California’s Transition to Zero-Emission Drayage Trucks”. *Los Angeles Business Council Institute*.

Selected Work in Progress

- 2025 “City size and moves to similar neighborhoods”.
- 2025 “Effects of electric vehicle adoption on urban mobility”. (with H. Liu & M. Zhou).
- 2025 “The geography of vehicular emission in the United States”. (with D. Simon-Thompson & G. Boeing).

GRANTS AND AWARDS

Competitive Grants, Fellowships, and Awards

- 2023–27 Provost Fellowship (stipend and tuition waiver), University of Southern California.
- 2022 Yang Jinfang Scholarship For Study Abroad, Peking University.
- 2019 Second Prize in Urban Modeling of Ecological Footprint, Wuhan City Simulation Lab.
- 2019 Best Student Paper Award, International Association for China Planning.
- 2018 National Encouragement Scholarship, Ministry of Education of China.
- 2018 Merit Student Scholarship. Huazhong University of Science and Technology.

Honors

- 2022 Award for Merit Student, Peking University.
- 2021 Award for Academic Excellence, Peking University.
- 2021 Best Poster Award, World Transport Convention.

PRESENTATIONS

Invited Talks

- 2025 Guest speaker in Principles of Spatial Data Analysis, Instructor: An-Min Wu, Los Angeles. Mar 14.

Conference¹

- 2025 PSR Annual Congress, *Association of Collegiate Schools of Planning Annual Conference, International Association for China Planning Conference*
- 2024 International Association for China Planning Conference
- 2022 International Association for China Planning Conference
- 2021 World Transport Convention (Best Poster Award)
- 2019 International Association for China Planning Conference (Best Student Paper Award)

PEER REVIEW

Transport Policy¹, Travel Behaviour and Society², Journal of Economic and Human Geography¹, Journal of Transport Geography¹, Sustainable Cities and Society³, Habitat International²

MEMBERSHIPS

APPAM, IACP

PROFESSIONAL EMPLOYMENT

- 2020 Data Analyst Intern, Smart City Research Institute, Shenzhen, China
- 2019 Spatial Analyst Intern, China Academy of Urban Planning and Design, Shenzhen, China

OTHERS

Tools Python, Stata, QGIS, L^AT_EX, Git, R, ArcGIS, AutoCAD, and Sketchup.

Updated December 2025, check the latest version here.

¹*Italicized* if presented by co-authors.